

MANUFACTURING METHOD OF A DEVICE FOR
ATTENUATING A SIGNAL CARRIED BY AN OPTICAL
FIBER, ATTENUATION DEVICE, ATTENUATION
SYSTEM AND CORRESPONDING APPLICATIONS

5 ABSTRACT OF THE DISCLOSURE

An attenuation device for a signal carried by an optical fiber in the form of a light signal is manufactured. The optical cores of a first and a second single-mode fiber are expanded. The first and second fibers are assembled facing each other in a capillary containing a liquid crystal. The liquid crystal is polymerized to produce an attenuation element. The resulting attenuation device comprises a first and a second single-mode fiber with expanded optical cores assembled facing each other in a capillary containing a liquid crystal forming attenuation means.

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